

Get more mileage out of your ST. Choose Alpha Systems. Ultra performance — now and to grow on.





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PROFESSIONAL

Digisound Professional is a professional quality sound digitizer system, at a price anyone can afford. This powerful hardware and software package lets you sample real sounds and play them on any Atari ST.

Digisound Professional's advanced software gives you complete control of your sound. You can record anywhere from 5K to 40K samples per second. A unique software feature turns your

Atari ST into an oscilloscope, and lets you view the sound wave as it plays.

You can use special effects like reverse, squeeze, stretch, looping, pitch manipulation, and fade in/out on all or part of any sound. The echo feature lets you create your own echo effect; a metallic robot, a rich reverb, a clear distinct repeat, or anything in between. The Real Time mode lets you test different sound effects without altering the sound wave in memory. You can mix and merge sound sections or files, apply envelope effects, delete sections of sound, add white noise or silence, or Undo any of these commands.

The Digisound software even turns your Atari ST into a musical instrument. Play your digitized

sound on your Atari keyboard, or on any MIDI compatible keyboard.

It's easy to use Digisound sounds in your own Atari BASIC, GFA BASIC, or C program. All

the routines you'll need are provided on the disk.

The Digisound Professional hardware plugs directly into the cartridge port on your ST. The two input jacks, with separate gain controls, give you internal real time mixing. You can record from a powered source, such as a tape recorder, and an unpowered source, like a microphone, at the same time. Record yourself singing along with your favorite band!

You can play the sound out through the monitor speaker, or through an external amplifier. The output jack, with its own gain control, lets you hook any amplifier to your ST. Just plug your amplifier, loudspeaker, or PA system into the output jack on the Digisound Professional

hardware.

Digisound Professional even has a unique logarithmic sampling feature (external playback only) that gives you sound quality far above that of other sound digitizers.

DIGISOUND PROFESSIONAL

\$149.95



Digisound ST gives you the same powerful software as Professional. Record at rates from 5K to 40K per second. Reverse, stretch, and squeeze sounds. Add looping, envelopes, white noise, silence, and fade in/out. Use pitch manipulation, or use the special echo feature to

effects in real time, without altering the sound wave, or reverse them with the Undo command. Turn your Atari ST into a musical instrument. Play your sounds on your Atari ST keyboard, or

on any MIDI compatible keyboard.

Use your Digitized sounds in your own Atari BASIC, GFA BASIC, or C programs. Mix and merge your digitized files to create unique new sound combinations.

The Digisound hardware is designed for easy use, so even a beginner can create spectacular sound effects. The hardware plugs directly into the cartridge port. It has a single input jack, so you can record from tape recorders, CD players, stereos, TVs, VCRs, powered microphones, amplifiers, etc.

The sound plays out directly through your monitor speaker, so Digisound is ideal for programmers. Digisound ST was used to create the sounds in Chessmaster 2000, and other commer-

cial programs.

DIGISOUND

\$89.95

Amatuers and professionals-turn any inexpensive MIDI keyboard into a fullfeatured digital sampling synthesizer and four-track recording studio! You'll be jamming in no time with complete record and playback capability.

Jam Master requires a cartridge-based sound digitizer for output, such as Digisound Professional, and any MIDI compatible keyboard. Create your own sounds with any ST digitizer. Or ex-



periment with 50 prerecorded sounds, from drums to violins.

Jam Master is packed with powerful features like full keyboard mapping. Assign your keyboard to as many as 32 different sounds and any number of octaves. Play chords up to four keys at a time. Even blend four completely different sounds.

Advanced recording studio feature records music as you play. Record two, three, up to four tracks, and play back together. You'll be a one man band! Complete Beat Box drum patterns (play out of up to four different sounds at once) can be added as a single voice, and played along with three more sound tracks! Adds a full drum accompaniment to your recordings.

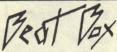
This first-of-it's-kind program actually lets your ST play back in real time. Record an expert pianist, play back, and watch your keys go to work as your ST transforms into a player piano. It's fun and fascinating!

A real-time, fine-tune feature allows total pitch control. Lets you tune up with the band. 40K sampling rate capability offers superior quality (the faster the sampling speed, the higher the sound Special quality.) TECHNICAL SPECIFICATIONS

- Plays four-voice polyphonic digital sound
- Incorporates Beat Box drum tracks as one sound
- Supports sampling rates up to 40K
- Supports looping and decay Keyboard mapping up to 32 different
- · Built-in four track sequencer Unlimited note range changes
 - Frequency fine-tuning Compatible with all ST computers
- Requires: cartridge-based digitizer for output and any MIDI compatible

Introductory

Price



You and Beat Box will make awesome rythms together from waltz to rock, rap to jazz, whatever your preference, no musical knowledge required!

This polyphonic drum machine software comes with over 35 prerecorded digitized sounds including drumbeat, cymbals, human voices, computer voices, symthesizers, bass quitar, and

Create your own drum and musical patterns in four voices (They said it couldn't be done!) Combine and arrange up to 30 different patterns to create an entire rythmic composition! An ideal accompaniment for musicians. Beat Box provides you with your own custom drummer for the price of a metronome!

Beat Box contains a public domain player program so you can share your musical masterpieces with friends. No need for special equipment. Sound is played through monitor, amplifier, or stereo. Also compatible with all ST sound digitizer cartridges, including Digisound Professional.

DIGITAL MUSIC PRO SYSTEM

Complete package for capturing, manipulating and performing with digital sounds and music. Includes Jam Master, Digisound Professional and Beat Box. (Requires a MIDI keyboard.)

Imagine yourself on a 6' poster. Create a business graph that covers a wall. Quality output for posters, T-shirts, newsletters, and more.

Whether it's a photo digitized with ComputerEyes, a masterpiece created with Degas, or the winning screen from your favorite game, POWERPRINT can print it all with une-

qualed clarity and resolution.

POWERPRINT supports all ST resolutions. It prints in multiple sizes, up to Glant Wall Sized Posters. Print in 16 shades for incredible detail. Print whole screen, or ZOOM in on just the part you want. POWERPRINT offers unique special effects, including Rotate, Mirror, and Inverse options. POWERPRINT's unique Selective Shading option allows you to print multi-color pictures on any printer by printing one color at a time (color ribbons required).

POWERPRINT lets you capture and display almost any ST screen, with all of

POWERPRINT's exciting features.

POWERPRINT works with Star, NEC, Cltoh, Epson, XMM804, and compatible printers.

Get BOTH Powerprint and Color ComputerEyes and SAVE \$20

COLOR COMPUTEREYES™ Color Video Digitizing System



COLOR COMPUTEREYES is the first and only color digitizer for the ST. No black and white system can produce such high quality, digitized images, in Full Color and Black and White in up to 16 shades.

Captures images from video cameras, VCRs, or Video Disks.

Images FILL THE WHOLE SCREEN in ALL ST Resolutions for incredible results.

Automatically calibrates Brightness, Contrast, and Color Balance or adjust them yourself after the image has been captured.

Easy to set up and use. The hardware plugs right into the cartridge port.

Use the pictures with POWERPRINT, Degas, Neochrome, and other graphics, drawing and DTP programs.

Completely compatible with DIGISPEC (below). Use DIGISPEC and COLOR COM-

PUTEREYES to create images in 512 colors.

The highest quality digitizer available. No other system can beat its features.

COLOR COMPUTEREYES™

\$19995

DIGISPEC Display your Color ComputerEyes pictures in a rainbow of 512Colors

DIGISPEC is an exciting new breakthrough in computer video digitizing. **DIGISPEC** works with your Color ComputerEyes to create **spectacular 512 color** video images. Now you can capture and display video pictures in unsurpassed detail and clarity, with 512 different colors on your ST screen.

DIGISPEC is easy to use. It works on any ST computer. Simply capture an image with your Color ComputerEyes and color video camera (or VCR, video disk, etc.). Then run DIGISPEC, and watch as your picture appears in a full rainbow of 512 true colors.

DIGISPÉC includes a special shading feature to give you even more detail and color. The shading feature uses a technique called dithering, which creates and displays images in 3.375 or even 24,389 simulated colors.

DIGISPEC creates detailed, low resolution video images on any Atari ST, color video camera (or VCR), and Color ComputerEyes. Every Color ComputerEyes needs DIGISPEC! \$39.95

BACKTRAK

Unleash the Power of Your Double-Sided Disk Drive!

New Back Trak software gives ST users more - for less!

Double sided drives are now standard equipment on all ST computers, but software compasnies continue to churn out programs on single-sided disks. For those of you with double-sided disk drives, it means wasting 50% of your disk's capacity! With blank disks costing up to \$5 each, you waste dollars every time you buy a disk or make a back-up. *Back Trak* puts this wasted disk space to work for you.

Back Trak allows access to the backside of single-sided disks, doubling your storage capacity. Use newfound space for files, saved games, even boot (self-loading) programs. Back Trak lets you boot off the front or backside of a disk. Also, Back Trak allows booting from drive B, which proves invaluable if your internal drive

ever breaks down.

Fully compatible with copy programs like ST Copy, Copy II, and ProCopy, Back Trak even lets you put protected programs on the backside of your disk. For example, save games on the backside of Dungeon Master - then switch back and forth instantly without swapping disks. Or, save a two disk set on a single disk.

Every time you use **Back Trak** you save time and money. And, you'll see less wear and tear on your drive heads as you utilize your double-sided drive's full potential.

Back Trak is pure software. There are no special connectors to fool with or cables to cut.

\$29.95

Pro Video System

The complete video digitizing package for your Atari ST. This special offer includes Color ComputerEyes, Poerprint II, and Digispec. Get everything you need... and save money, too!

\$249.95



Requires 1 Meg of RAM

Or a Megadisk or a Polydisk

 Imagine saving almost any game at any point, then being able to return there as many times as you like.

 Imagine the Ultimate Back-Up Utility, that actually UNPROTECTS programs as it copies them. Lets

unprotected programs be stored as files, run from a hard disk, or even transmitted over a modem.

Imagine saving three or more protected single sided disks on just one double sided disk.

 Imagine instantly switching back and forth between two different programs, games, utilities, or business applications.

Now stop imagining and get Switch/Back. It can do all this and more.

Switch/Back is a revolutionary new hardware and software package that lets you get more from your ST, MUCH MORE.

GAMES — Switch/Backs gaming features lets you instantly save most games, then continue playing. If you get into trouble, you can switch back to where you were as many times as you like.

BACK-UPS — Switch/Back can work with your favorite back-up program and allow you to save whole protected disks to files for archival purposes. It can also automatically unprotect a program and save it as a standard file. This method works on hundreds of ST programs, and it allows you to run the files directly. It's perfect for running protected programs off a hard disk. It creates standard TOS files, that can be stored together on disks or transferred by modem.

SWAP — Switch/Back lets you load just about any two or more programs into your ST and switch instantly between them. It works with games, business programs, utilities, compilers, etc. Although only one program is running at a time, the other is available instantly, right where you left off.

The Switch/Back hardware plugs into your printer port for easy use (it has a pass through connection for your printer, too).

SWITCH Only \$69.95

Switch/Back requires at least 1 meg of memory (Or a Megadisk or a Polydisk)

ST PROTECTION TECHNIQUES Book & Disk Package

Finally, ST copy protection techniques are revealed. This complete book and disk package details the state of the art in ST software protection methods, and much much more.

The software that comes with the book provides you with many powerful features, including the AUTOMATIC PROGRAM PRO-

TECTOR. This unique, easy to use utility lets you protect just about any ST program. You can choose a combination of protection methods, like encryption, password protection, and checking custom disk formats. It even has a special Limited Use option, that makes the program self-destruct after running a present number of times.

The book covers topics such as Phreaking, Logic Bombs, Hardware Data Keys, Custom Disk Formats, Software and Copyright Law, and the Law and Piracy. In addition, it contains reviews of the popular ST back up programs, and detailed explanations of ST disks and drives.



Book & Disk

\$39.95

LARROTII





ALL NEW HARDWARE & SOFTWARE

An ALL NEW PARROT sound digitizer for your Atari. PARROT II is a sophisticated new hardware device that plugs into your joystick port. PARROT II has two input jacks, one for a microphone, one for a powered source such as a tape player, radio, or compact disk.

The powerful PARROT II software lets you record sounds into your computer, and play them back on any 8-bit Atari. PARROT II also turns your Atari's keyboard into a digital synthesizer, with nine different sounds in over three octaves each! The sounds can be anything . . . if you can hear it, you

can record it and use it. A dog's bark, a plano, a complete drum set, a symphony orchestra, or your own voice.

PARROT II lets you modify the sound on a graphics display to create brand new sounds and special effects. Best of all, the sounds and voices can be put into your own programs, that can be used on any standard Atari.

Explore the world of digital sound and music.

PARROT II Hardware & Software \$59.95

PARROT DEMO

A disk that shows you just what PARROT II can do! Sounds, effects, songs, games, etc. Does not require Parrot to run. Special Autoplayer plays songs for you. You pick the song, you pick the sound, no playing skill required! Great addition to your library whether you're a Parrot owner or not.

\$5.00

PRE-RECORDED SOUNDS

A disk packed full of sounds, songs, and special effects to use with your PARROT or PARROT II sound digitizer.

\$4.95

POP-N-ROCKER

USE IT WITH YOUR PARROT OR PARROT II

OR ALL BY ITELF —

\$24.95

Pop-N-Rocker is a fast packed multi-player trivia game that mixes questions with REAL songs (digitized with PARROT). Be the first to identify the songs, and answer the music trivia questions. POP-N-ROCKER comes with three data disks and lets you add new questions so it will never get old. You can use a Parrot Sound Digitizer to add new songs, tool Use any kind of music, from rock to classical to nursery rhymes.

A new concept in entertainment and an excellent add-on for Parrot.

Atari Software Protection Techniques Book and Disk Set Volume 1 \$24.95 A "MUST READ" FOR ANY ATARI OWNER



Together these books offer a

complete guide to state-of-the-art

in software copying and protec-tion methods. They include the

very latest methods used by com-

panies like Synapse and Elec-

tronic Arts. Their respective disks

contain everything you need to protect your programs from prying

eyes and greedy hands of others.

Both are written with easily under-

stood explanations and examples by George Morrison — a noted

authority on software protection.

They tell you everything you

wanted to know abut piracy and

protection techniques, but were

SPECIAL LIMITED

TIME OFFER

BOTH SETS FOR ONLY \$39.95

afraid to ask,

Atari Software Protection Techniques

Vol. I is a comprehensive guide to methods of copying and protecting disks, cartridges and cassettes. It explains the techniques used by advanced software pirates and discusses methods to protect software from them.

This book teaches you what Bad and Misassigned sectors are. how they are used, and how they are created. It includes detailed information

on ROM and EPROM cartridges, and explains how they can be copied and protected.

It contains complete instructions for protecting BASIC programs, including disassembling the BREAK and SYSTEM RESET keys, stopping SAVEs and LISTS and DOS copies. It shows you, step-by-step, how to hide directories and VTOCs.

Volume I thoroughly discusses the procedures for hand breaking code, and how these methods are thwarted. It explains what hardware data keys are, how they work, and how they can be made and duplicated.

This book also covers the legal aspects of piracy and protection. It includes discussions of topics like Self Destructing Code and FreeWare, and Psychological techniques to prevent piracy.

Atari Software Protection Techniques Vol. I comes with a companion disk which enables you to use these protection methods quickly and easily. This special disk contains a Directory Mover, a Bad Sector Writer, a Misassigned Sector Finder, and much more. You no longer need to waste valuable programming time creating and debugging protection for your software. Just pop in the disk and you're on your way.

Advanced Atari Protection Techniques Book and Disk Set Volume II \$24.95



Learn the Latest Software Copy and Protection Techniques

Short Sectoring Overlilled Tracks

Unstable Sectoring (Phantom or Fuzzy

Logic Bombs, Program Worms, Trojan Horse Programs Hacking, Cracking and Phreaking - in-

cluding on-line protection and the con-struction of your own black box. Detailed explanations and Recommendations regarding all the popular back up tools, including the Happy Enhancement, The Impossible, The 1050 Duplicator, The

CHIP, and more. The latest news about Piracy and Cracking, includes the facts about FBI sting operations on BBS systems, the new computer crime bill, the latest exploits of

systems hackers, and the recent crackdown on piracy. Future Direction of Protection — the ADAPSO hardware key standard, bank select cartridges, 130XE potentials.

Protect Yourself

Lend your software with confidence that it can't be copied or altered.

Advanced Software Copy Protection

That's Simple to Use

PASSWORD — Make programs or files accessible only with a password you select.

ENCRYPTION — Data encoding allows a

program to run normally, while it's virtually impossible to change. Protect your title, copyrights, etc. so that no one can find or change them. Uses advanced 64 bit keys.

PROTECTION CHECKING Have program automatically check for bad sectors, CRC errors duplicate, or even unstable sec-

SELF DESTRUCTION — Allow a program to run only the number of times you select. After that, it self-destructs and displays your private

message.
DIRECTORY HIDING — Files and programs run normally, but the directory looks like that of a blank disk

These techniques and many more can be at your command using our simple menu driven software. It's all automatic, you just select the combination of methods you want and your binary load (or data) files are safe from copying, misuse, or alterations. No programming skill needed.

More than just software, this package features a large, spiral bound book, over 150 pages, detailing the working of Advanced software protection and much more.

More Than Just Software

This super package is not just another software program! It comes with a comprehensive spiral bound book, over 150 pages long, with complete information about every aspect of software protec-tion. It tells you exactly, step-by-step, how protection schemes work and how they're crated. It includes detailed discussions of software laws and electronic bulletin board systems, as well as honest reviews of popular commercial back-up systems.

ipmunk

Want to create working, unprotected back-ups of ; our 8-bit software without expensive hardware modifications? Now you can — with CH'? MUNK, the latest innovative break through in back-up software. Now you can put your expensive, original disks away for safekeeping. CHIPMUNK back-ups can be created and run on any standard Atari disk drive. You don't need any special hardware, and you don't have to modify your disk drive or computer. CHIPMUNK is all you need to make running back-up copies of your software. The best part is, each and every back-up copy you make is completely unprotected.

CHIPMUNK backs up hundreds of programs, even heavily protected programs. Just check the list. Order CHIPMUNK today, and you'll never need to worry about accidentally erasing or damaging

your irreplaceable originals again.

Chipmunk Backs-Up These Programs

221B BAKER STREET ACE OF ACES **ACTION BIKER** ADVENTURE MASTER **AEROBICS** AIR SUPPORT ALEN ADDITION ALIENENCOUNTER/FACE FLASH ALPHABET ARCADE ALTERNATE REALITY ANDROMEDA CONQUEST ANTI-SUB PATROL AQUATRON ARCADE MACHINE ARROW GRAPHICS GULP ASPHI TRII OGY ATARI MACROASSEMBLER 1 04 ATARI WORD PROCESSOR ATARI MUSICI & II ATARIWRITER + AWARDWARE 8/GRAPH 1.1, 1.1.1 BACK-UP MASTER 2 0 BALLYHOO BANDITS BANK STREET MUSIC WRITER BANK STREET WRITER BANNERCATCH BASIC COMPILER BATALLION COMMANDER BATTLE FOR NORMANDY BATTLE OF ANTIETAM BATTLE OF SHILOH BATTLECRUSIER WW I & II BATTLING BUGS/ CONCENTRATION BATTY BUILDER BEACHLANDING BEACH-HEAD, I & II BERSERKER RAIDS BEYOND CASTLE WOLFENSTEIN BIOLOGY BLADE OF BLACKPOOLE BLAZING PADDI ES BLUE MAX BOOKKEEPER 5.4 (S1 S2) BOP W WRESTLE **BOUDI FROASH CONSTRUCTION** SET BREAKTHROUGH IN ARDENNES BRIDGE 4 0 BRIMSTONE BROADSIDES BRUCE LEE CARRIER FORCE CASTLE CLOBBER CASTLE WOLFENSTIEN CAVERNS OF CALLISTO CAVERNS OF MARS CHAMPIONSHIP GOLF CHAMPIONSHIP LOADRUNNER CHATTERREE CHEMIAR CHESS 70 CHESSMASTER 2000 CHICKAMUNGA CHIPHUNK CHOP SUEY CHOPLIFTER' CLAIM JUMPER CLOSE ASSAULT CODEWRITER

COLOR PRINT COL ORASAURUS COMBAT CHI SS COMBALLE ADER COMPLETE PERSONAL ACCOUNTANT COMPUBAR/GOLF CLASSIC COMPUBRIDGE COMPUTER AMBUSH COMPUTER BASEBALL COMPUTER CRAYONS COMPUTER GORMET COMPUTER OR 1984 IF AM DISK COMPUTER QUATERBACK CONFLICT IN VIETNAL COSMIC BALANCE 18 II CRISIS MOUNTAIN CROSSCHECK CROSSWORD MAGIC CRUSADE IN EUROPE CRUSH, CRUMBLE AND CHOME CURSE OF RA DALLAS QUEST DATASOFT BASIC COMPILER DAY AT THE RACES DEADLINE DECISION IN THE DESERT DEMOLITION DIVISION DESIGN LAB DISKEY DISKWHIZ II DRAGON'S KEEP DRAGONRIDERS OF PERN EAGLES EARLY GAMES EARTH SCIENCE EARTH VIEWS ELECTRIC CHECKBOOK ELEKTRAGLIDE ENCHANTER ETERNAL DAGGER ESSEX EXPENSE TRACKER F-15 STRIKE FACILE FACTORY, THE FAMILY TREE FIELD OF FIRE FIFTY MISSION CRUSH FIGHT NIGHT FIRST ALPHARET FLEET SYSTEM II FOOBLITZKY FORMS GENERATOR FORT APOCOLYPSE FORTRESS FRACTION FACTORY FRE AKY FACTORY FREE TRADER *FRENCH VOCABLILARY FROGGER I & II GFS SORCERESS GALATIC ADVENTURES GAUNTLET GEMSTONE WARRIOR GEOGRAPHY GERMAN VOCABULARY GET RICH! GHOSTBUSTERS & SPEECH CHOST ENCOUNTER GOLDEN OLDES

MICKEY IN THE GREAT GRAPHIC MASTER GRAPHIC SHOP GRAPHICS GLM RATOR GRAPHICS WORKSHOP
GREAT AMERICAN ROAD RACE GUN ESTRIKE GUMBALL GUNE IGHT/SEAWOLE II **GUNSLINGER** HRJSAT HACKER HALLEY PATRO HALLEY PROJECT HARDBALL HEY DIDDLE DIDDLE HITCHIKERS GUIDE 10 THE GALAXY HOLLYWOOD HIJINX HOME ACCOUNTANT 2 HOME FILING MANAGER HOME PAK LOVE MY ALPHABET IMPERIUM GALACTUM IN SEARCH MOST AMAZING THING MULBATOR INSTRUCTIONAL COMPUTING DEMO JAWBRE AKER MR DO JINGLE DISK JUGGLE'S HOUSE KAMPEGRUPPE & SCENARIO DISK KARATEKA KEN USTON'S BLACKJACK KENNEDY APPROACH KINDERCOMP KING CRIBBAGE KNIGHTS OF THE DESSERT KRELL SAT KYAN PASCAL LASER HAWK LAST V-8 114 LEADE READED NINJA LETHER GODDESSES OGRE LETTER PERIOCI LITTLE RED RIDING HOOD LODE RUNNER'S RESCUE PDI SAT LOVE AL PHABET LURKING HORROR MAC 65 MACRO ASSEMBLER MAGIC DUMP II MAGIC SPELLS MAIL ORDER MONSTERS MARALIDER MARKET PLACE MASK OF THE SUN MASTER OF THE LAMPS MASTERTYPE FILER MATCH MAKE F MATCH WILS COAST MATH MAZE MAXWELL MANOR MECH BRIGADE

MEGAFONT I & II

MEMORY MANIA

MI DCENARY

MAXWLL'S DEMON

METRIC AND PROBLEM

OUTDOORS MICRO ADDITION MICRO MULTIPLICATION MICRO SUBRACTION MICROLEAGUE BASEBALL MICROLEAGUE GENERA MANAGER MICROLEAGUE TEAM DISKS MICROLEAUGE STATS MICROPAINTER MICROSOFT BASIC 10 MICROTYPING II MIDWAY BATTLES MIG ALLEY ACE MILLIONAIRE MINDSHADOW MINDWHEEL MINUS MISSION MISSION ASTERIOD MMG BASIC COMPILER MODE MIXER MONEY MANAGER MONKEY MATH MONTEZUMAS REVENGE MOUSE ATTACK MOUSE TRAF MOVE MAKER MR DOS CASTLE
MR FUZZ FUZZY/PHANTOM MRCA MACH 2 COMBA SIMUL ATOR MUSIC I II. & III MUSIC PAINTIER MY FIRST AL PHARET NECROMANCER NET WORTH NEVERENDING STORY NEWS STATION NIGHT RAIDERS ORILEY'S MINI ON TRACK RACING OP! RATION MARKET GARDEN OP! RATION WHIRI WIND PM ANIMATOR PAGE DESIGNER PANZER GRENADIER PAPERCLIP
PARIS IN DANGER PATHE INDER PEGGAMMON PERIPHERAL VISION PHANTASH PHYSICS PICNIC PARANOIA PIRATES OF THE BARBARY PITFALL DI MON ATTACK PLANE TEALL PM ANIMATOR POGO JOE **POOYAN** PRIPPE IAH PRINT SHOP PRINT SHOP COMPANION

PRINT SHOP GRAPHIC LIBRARIES PRINT SHOP INTERIACE PRINT WHIZ PRISONI R 2 PROOF READER PROTECTOR THE PUBLISHING PRO **OLIAS IHODO** QUEST THE QUIK PIX PC 2 0 RACING DESTRUCTION SET RAID OVER MOSCOW RAIDUS RAILS WEST RASTER BLASTER READER RABBIT REBEL CHARGE AL CHICKAMAUGA RELORGER 88 REPTON REVERSAL RHYMES AND RIDDLES RICHARD PETTY'S TALLADEGA ROCKET REPAIRMAN ROMMEL BATTLES FOR TOBRUK ROSEN'S BRIGADE RUBBI RSTAME RUN FOR THE MONEY SARGON II & III SAI PRACTICE TESTS SAT VOCABILI ARY SE A BANDIT SEA DRAGON SEA STALKER SERPENT'S STAR SE RPENTINE SHAMUS & CASE II SILENT SERVICE SIMULATED COMPUTER II STYCHIN SHOOTOUT SKY BI AZER SI IME SNAKE BY IE SNAKE O NYMS WORD FLIP SNAPSHOT 1 1 SNOOPER TROOPS 11 12 SONGWRITER SORCIRER SPACE BASE SPACE EGGS SPACE SHITTIEF SPANISH VOCABULARY BUILDER SPARE CHANGE SPEED KING SPEEDBEAD . SPEEDY READER SPELL PERFECT SPELL WIZARD SPELL BREAKER SPELLDIVER SPELLICOPIER SPELLINKE B SPIDER EATER SPIDER MAN SPIDE ROUAKE SPY HUNTER SPY VS SPY I STAR RAIDERS II STARBOWL FOOTBALL STARCROSS STABILLET STATIONFALL

STICKYREAR RASKET ROUNCE SHICKYRI AR MUMARI RS STICKYBI AR SHAPES STOCK MANAGEMENT SIRAIEGY FOOTBALL SIRIP POKER SUMMER GAMES SUPER HUEY SUPER REFVEKEY SUPER TEXT PROFESSIONAL SUPERMAILER SUPERMANER . 205 SUSPECT SUSPENDED SWM LINEAR FOUATIONS SWM MULTIPLICATION DIVISION SWM MULTIPLY DIVIDE FRACTIONS SWM MULTIPLY DIVIDE DECIMALS SWM QUADRATIC EQUATIONS SYNFILE . 1 02 SYNSTOCK TANKTICS IAPPER TARGET PRACTICE TECHINICOLOR DREAM TEMPLE OF APSHAI TEMPLE OF APSHAI TRILOGY TEN LITTLE ROBOTS IFX1 WIZARD 13 THEATRE EUROP THRESHOLD TIGERS IN THE SNOW TIME WISE TINK SUBRACTS TINK S ADVENTURE TINKA S MAZES TONK IN LAND OF BUDDY BOTS TRAIL BAL ZER IRANS YI VANIA TUK GOES TO TOWN TUMBLE BUGS IUITITRUITI TYCOON TYPESETTER 130XE & 65 USAAF USA ADVETUTURE UIL TIMA I II III & IV VIDEO POKER & VEGAS JACKPO WAR IN RUSSIA WARGAME CONSTRUCTION SET 10 11 WARLOCK S REVENCE WADDING OF DAS WARSHIP WAY OUT WHISTLER'S BROTHER WHISHBBINGER WITHI CC WIZ TYPE WIZARD AND THE PRINCESS WIZARD'S CROWN WURD MAGIC WORD RACE WORLD KARATE CHAMPIONSHIP ALL NE WORD PROCESSOR YOUR PERSONAL MET WORTH ZOMBIES 708K | || & ||| ZORRO

URBOCHARGER BOOK and DISK SET \$24.95

Machine Lanaguage Routines for Atari BASIC Programmers

TURBOCHARGE your BASIC programs! Anyone, even beginning BASIC programmers, can put the speed, power, and flexibility of machine language into a BASIC program. This unique book and disk package has over 160 ready to run machine language routines that can easily be called from any BASIC program. These routines were written, tested, and used by some of the best professional programmers. Just a few of the many topics covered are:

Number Sorting & Searching Graphics, Text & Special Effects **Number Systems Conversions** Filling & Clearing Memory

Moving Memory String Searches **Timing Routines** Disk I/O

Player Missiles Picture Scrolling **Bit Manipulations Joystick Routines**

Picture Printing Routines Picture Load & Saves **DLI** Routines Many More

Each routine is included in a working BASIC demonstration program, LISTed and completely explained in the book, and included on the accompanying disk. They're all ready to use — no typing required! All the work has been done for you. There's no license fees, so you can use these routines in your own commercial programs.

Don't wait — Turbocharge your BASIC programs today!!

Experienced Assembly Language Programmers — Source code for all routines (2 disks)

\$10.00 when ordered with BASIC TURBOCHARGER
 \$15.00 when ordered separately

ALL JUST \$99.95



HACK PACK

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SCANALYZER is an integrated software package which allows you to understand and modify programs, even complex, heavily protected ones. SCANALYZERS sophisticated modules work together, allowing you to get the most from your software.

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Now you can make normally running back-up copies of all your 4K, 8K, and 16K cartridges. The special software allows you to save data from a cartridge to an ordinary disk file, which runs exactly like the original cartridge when it's used with the IMPER-**IMPERSONATOR** SONATOR cartridge. The cartridge plugs directly into the cartridge slot on your 800, XL, or XE computer.

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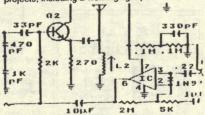
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SCHEMATIC DESIGNER helps you creat the electronic gadgets of your dreams. It features 28 built-in symbols, ready for you to use at the press of a button, all in high resolution graphics. Need a title? Use the write mode to write any letter, symbol, control character, micro, or ohm symbol to the screen. Use the built in DOS to save your drawing for later use. Rename, delete, lock, and unlock with the directory continuously displayed on the screen and your schematic tucked safely away. The full size Help screens make everything easy. Now your schematics done, but you need to take it to your basement workshop. Print in on paper. SCHEMATIC DESIGNERS built in printer utility prints the schematics on EPSON and NEC compatible printers. Or, you can load the schematic into your own printer utility program (like Magniprint 11+).

Just imagine for a moment, no more sharpening pencils, eraser marks or smears, all gone every last one. SCHEMATIC DESIGNER includes sample schematics which can be used to build many projects, including a working light pen.



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For 8-bit Ataris

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Do a complete Hi-Res scan in under 6

seconds.

Unique multi-scan mode provides realistic grey scale images in 24 seconds, and up for more detailed scans

Plugs into your Atari joystick ports, and uses a standard video plug.

Machine language image capture routines.

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Image save/retrieve from disk routines. Tutorial for first-time users.

COMPUTEREYES & MAGNIPRINT II+ PACKAGE

Now anyone can create spectacular graphic effects. When ComputerEyes is combined with Magniprint II+, you get unique capabilities no other system can offer. Print your digitized pictures in different

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with a drawing program, or Magniprints touch-up feature.

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Graphics Transformer \$22.95



Magniprint II+ produces the best quality picture your printer can deliver. [It's] best features are it's excellent GTIA 16-shade printouts and the remarkable (yet easy) gigantic, multipage posters. - ANTIC MAGAZINE

Magniprint II is a versatile and powerful program which will meet most, if not all your printout needs. The price is hard to beat, its power obvious, its features many ANALOG MAGAZINE

The plus is in the shading - now Magniprint lets you print the highest quality reproductions of your screens available anywhere. It lets you choose the shading you want for different colors and shades on the screen. It allows you to adjust the shades while your picture is displayed on the screen, so what you see is what you get. Magniprint prints the shades on your standard printer and paper by using specially designed dot patterns, yielding better looking output than you get on your

This new feature is perfect for printing pictures from Koala Pad, Touch Tablet, Micro Illustrator, and others. It will amaze you when you print pictures from ComputerEyes or Strip Poker.

Magniprint II+ is the most powerful print utility available for your computer. It is the only software that can accurately print GTIA modes with 16 shades.

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Print all graphics modes

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Choose up to 19 different sizes Use Star, NEC, Citoh, Epson, Gemini, Panasonic, or Atari XMM801 or compatible printers (850 interface or equivalent required)

Do amazing graphics with your standard printer and paper Add text to your pictures, in multiple fonts and sizes

Change graphics modes for special effects ZOOM feature lets you print the whole screen or just the

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A special quick print feature lets you have a quick preview of the picture

HELP screens for easy use

Posters are printed along continuous sheets of paper which are attached together when done

Touch-Up mode lets you change pictures with a joystick.

FREE: With Magniprint — PRINTALL, Allows you to print your

programs or files exactly as they appear on the screen. Clearly prints all graphics symbols, control, and inverse characters. COMPUTEREYES & MAGNIPRINT II+

Includes ComputerEyes and Magniprint II+. COMPUTEREYES CAMERA SYSTEM\$329.95 Includes ComputerEyes, B/W video camera, Magniprint II+, & 10' cable.

COMPUTEREYES GRAPHICS 9 CAPTURE SOFTWARE \$12.00 Add a new dimension to your ComputerEyes, capture pictures in graphics 9 in 16 shades.

Tired of being restricted to a single graphics program and its limited capabilities? Free yourself! Graphics Transformer lets you use almost any graphic with almost any graphics program. For example you can use a digitized picture in a Print Shop greeting card, or a Typesetter icon in your Koala Pad art work. And Graphics Transformer doesn't stop there. With it, you can

· Combine and merge pictures from different programs · Shrink or enlarge pictures to fit your needs . Use pictures from almost any graphics drawing program, including Koala Pad, Touch Tablet, Computer Eyes, Print Shop, Magniprint II+, Graphics Master, Strip Poker, Atarl graphics Light Pen, and others, even pictures drawn with BASIC programs.

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